

## Women's greater fear of pain is mediated by neuroticism

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Title: Women's greater fear of pain is mediated by neuroticism

Titre : Les femmes, plus que les hommes ont peur de la douleur : la contribution du  
névrosisme

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## **Abstract**

Fear of pain is an emotional state linked to a host of negative events, including exaggerated pain perception, distress, and chronic pain. Although many studies have shown that women experience fear of pain more than men do, little is known about the factors that might explain these sex differences. According to an individual-difference approach, it seems valuable to examine the contribution of personality factors, which are considered as major antecedents of cognitions and emotions, including fear. The present study focuses on the potential mediating role of neuroticism – and its six specific facets – in the sex-fear of pain relationship for fear of severe pain, fear of minor pain, and fear of medical pain. Given that neuroticism is greater in women and that this personality trait contributes to the fear of pain, we hypothesized that neuroticism would mediate the sex-fear of pain relationship. Due to the previously established link between experience of pain and the fear of pain, we controlled for the previous experience of pain in the mediation model. Participants ( $n = 133$  women; 96 men) completed measures of previous experiences of pain, neuroticism, and fear of pain. Using Preacher and Hayes' SPSS script, we used a bootstrapping method with  $n = 5000$  bootstrap resamples to test the model. Bootstrapped mediation analyses revealed that neuroticism significantly (within a 95% confidence interval) mediated the sex-fear of severe pain relationship. Working within a 90% confidence interval, neuroticism also significantly mediated the sex-fear of pain relationship for fear of minor pain and fear of medical pain. Although the global trait of neuroticism contributed to sex differences in fear of minor pain, it was specifically the neuroticism facet of *anxiety* that mediated the relationship between sex and fear of severe pain and sex and fear of medical pain. The results suggest that women experience more fear of pain partly because they are more neurotic than men and provide the first evidence that neuroticism is an integral part of the process that differentiates the sexes in fear of pain. Given that the proportion of variance

accounted for in each of the mediation models (8% at most), there is a clear need for further research to elucidate more fully the mechanisms that underlie sex differences in the fear of pain.

## **Résumé**

La peur de la douleur est un état émotionnel maladaptatif de réaction à la douleur. Bien que différentes études montrent que les femmes ont davantage peur de la douleur que les hommes, les facteurs qui expliquent cette différence restent à préciser. A travers une approche centrée sur les différences interindividuelles, cette étude a pour objectif de tester le rôle médiateur du névrosisme et de ses facettes dans les relations liant respectivement sexe et peur des douleurs sévères, mineures, médicales. 229 personnes ont complété un recueil de questionnaires mesurant la peur de la douleur, le névrosisme, et les expériences passées avec la douleur (i.e., variable contrôle). Les analyses démontrent que le névrosisme médie la relation entre le sexe et la peur des douleurs sévères. Une tendance similaire est observée pour la peur des douleurs mineures et médicales. Ces résultats confirment l'influence de la personnalité dans les réponses interindividuelles à la douleur.

Mots clés : peur de la douleur, personnalité, névrosisme, différences sexuées, anxiété

Keywords: fear of pain, personality, neuroticism, sex differences, anxiety

## Women's greater fear of pain is mediated by neuroticism

### 1. Introduction

The fear of pain – defined as fearful beliefs that pain represents damage or significant harm to the body – is thought to be more disabling than pain itself (Crombez, Vlaeyen, Heuts, & Lysens, 1999). Indeed, when pain is experienced with low fear, patients are likely to deal with the pain and to maintain engagement in daily activities, through which functional recovery is promoted. In contrast, when the experience of pain is feared, dysfunctional interpretations give rise to associated safety seeking behaviors such as avoidance/escape and hypervigilance, which can lead to chronic pain, disability, disuse, and depression (Leeuw et al., 2007; Vlaeyen & Linton, 2002). Although models of pain behaviors (e.g., Vlaeyen & Linton, 2000) outline the crucial role of fear of pain for understanding chronic pain and provide an account of how such fear develops (Leeuw et al., 2007), these models do not account for any sex differences. Sex differences, however, are prevalent in the literature on fear of pain (Albaret, Muñoz Sastre, Cottencin, & Mullet, 2004; Horn, Alappattu, Gay, & Bishop, 2014; Osman, Breitenstein, Barrios, Gutierrez, & Kopper, 2002).

The purpose of the present study is thus to understand the mechanism that might underlie sex differences in the fear of pain. Specifically, the present research focuses on the potential role of neuroticism as a proximal antecedent of fear of pain that mediates the sex-fear of pain relationship.

When in pain, men and women do not react in the same way. A body of literature indicates that women, compared to men, have significantly lower pain thresholds and tolerance levels (Berkley, 1997; Fillingim, 2003). Women are more likely to report more intense and more frequent experiences of clinical pain, including tension, migraines, or musculoskeletal pain. Researchers have proposed numerous explanations for such sex differences. While most of

these explanations are biological, genetic, and hormonal (Aloisi, Ceccarelli, Fiorenzani, & Bonezzi, 2009; Holdcroft & Berkley, 2005), it is becoming increasingly clear that psychological factors also account for women's generally lower tolerance to pain. Indeed, research has revealed that women report a greater fear of severe pain and medical pain than men do (Albaret, Muñoz Sastre, Cottencin, & Mullet, 2004). Moreover, an experimental pain study that used electrical stimuli also demonstrated that women reported higher fear of pain (Meulders, Vansteenwegen, & Vlaeyen, 2012). Given that fear of (severe) pain is experienced particularly by women and leads to a maladaptive response to pain, the identification of the potential mediating factors of the relationship between sex and fear of pain clearly warrants research attention.

Over the past two decades a consensus has emerged that individual traits are thought to constitute relatively stable patterns of cognitions, behaviors, and emotions, including fear (Fleeson, 2001; Kokkonen & Pulkkinen, 2001; McCrae et al., 2000; Pytlik Zillig, Hemenover, & Dienstbier, 2002; Sorić, Penezić, & Burić, 2013). In the specific context of fear of pain, neuroticism appears particularly worthy of investigation. According to most authors (e.g., Costa & McCrae, 1992; DeYoung & Gray, 2009), neuroticism reflects a sensitivity to threat and to a range of negative emotions and cognitions that accompany experiences of threat and punishment, including anxiety, depression, anger, irritation, and self-consciousness. In addition, various brain systems associated with reactions to threat have been linked to neuroticism (for a review, see DeYoung & Gray, 2009). Neuroticism contrasts with emotional stability and even-temperedness (Goldberg, 1992; John & Srivastava, 1999) and has been shown to predict fear of movement and (re)injury, which is thought to be due to fear lowering the threshold at which pain is perceived as threatening (Goubert, Crombez, & Van Damme, 2004). This finding was corroborated by Kumari et al. (2007) who reported that neuroticism

was correlated positively with fear of electric shock. There is thus a reasonably well-established link between neuroticism and fear of pain. According to the Big Five theory, neuroticism presents six facets: anxiety, anger/hostility, depression, self-consciousness, impulsiveness, and vulnerability. Of these facets, it is anxiety that is most closely linked to fear. As such, it is likely that neuroticism-associated fear of pain will be most closely linked to the neuroticism facet of anxiety (Keogh & Asmundson, 2004). Fear is the emotional reaction to a specific, identifiable and immediate threat, such as a dangerous animal or an injury (Rachman, 1998), whereas anxiety is conceived as the general, stable, and trait-like tendency to view the world in a negative way and to respond fearfully to a broad range of situations (Lilienfeld, Turner, & Jacob, 1993).

There are also well-established sex differences in neuroticism with women scoring higher than men (Costa, Terracciano, & McCrae, 2001; Vecchione, Alessandri, Barbaranelli, & Caprara, 2012). The aforementioned links between sex, neuroticism and fear of pain suggest that neuroticism should mediate the sex-fear of pain relationship but such a mediation model has not been tested or reported in the literature.

The main purpose of the current study was to test the hypothesis that neuroticism would mediate the difference between women and men in the fear of pain. We hypothesized that women would experience more fear of (severe) pain than men partly because they are more neurotic. Given the close links between fear, anxiety, and sex, it was expected that the specific neuroticism facet of anxiety would explain the neuroticism-derived sex differences in fear of pain.

As fear of pain is an emotional state influenced by previous experiences with pain (Albaret et al., 2004), we tested these mediating hypotheses when controlling for previous experiences with pain.

## 2. Method

### 2.1. Participants and procedure

Two hundred twenty seven French participants (94 men and 133 women; Mage = 23.47 years, SD = 3.37, age range = 18-35) took part in the study. At the time of recruitment, we told participants that we were interested in learning more about the different perceptions that people have about themselves. Given the cross-cultural characteristics of personality traits (McCrae & Terracciano, 2005), we asked for no additional information regarding participants' religion, ethnicity, etc. Participants provided written informed consent after we had assured them that all data would be treated anonymously. All participants were unpaid volunteers.

### 2.2. Measures

*Fear of pain.* The French version of the 15-item Fear of Pain Questionnaire (Albaret et al., 2004) measures fear of pain on three subscales, each composed of five items: fear of severe pain (e.g., *breaking your arm*), fear of minor pain (e.g., *having sand in your eyes*), and fear of medical pain (e.g., *receiving an injection in your mouth*). Participants rated their fear of pain on each subscale using an 11-point Likert scale ranging from 0 (*no fear at all*) to 10 (*extreme fear of pain*). Cronbach alphas for each of the three subscales in the present study were good:  $\alpha = 0.86$  for both of *fear of severe pain* and *fear of medical pain*, and  $\alpha = 0.81$  for *fear of minor pain*. In accordance with Albaret et al.'s procedure, participants were then instructed to circle all the painful situations that they had experienced. For each subscale, the sum of these experiences was taken as the score of painful situations already experienced.

*Neuroticism.* The French version of the NEO-PI-R (Rolland, Parker, & Stumpf, 1998) was used to measure neuroticism through its six facets of anxiety, angry hostility, depression, self-consciousness, impulsiveness, vulnerability. Participants rated their agreement with 48 short



sentences (e.g., *I am not a particularly worrisome person*) on a scale of 0 (*strongly disagree*) to 4 (*strongly agree*). Cronbach's alpha was  $\alpha = 0.90$  for the global trait of *neuroticism*. Cronbach's alphas for the neuroticism facets were  $\alpha = 0.80$  for anxiety,  $\alpha = 0.68$  for angry/hostility,  $\alpha = 0.70$  for depression,  $\alpha = 0.60$  for self-consciousness,  $\alpha = .61$  for impulsiveness, and  $\alpha = 0.80$  vulnerability. Although some of these facet alpha coefficients are below recommended thresholds, we proceeded with the facet-level analysis on the basis that the facet-level hypothesis specifically regarded anxiety, for which the alpha was acceptable. Sex and age were reported on questionnaires.

### 2.3. Data Analysis

Using Preacher and Hayes' (2008) SPSS script, a bootstrapping method with  $n = 5000$  bootstrap resamples, single mediator models were run for exploring the mediational role of neuroticism in the relationship between sex and each subscale of fear of pain. Bootstrapping is a non-parametric resampling procedure that involves repeatedly sampling from the data set and estimating the indirect effects in each resampled data set. Bootstrapping provides a more accurate estimate of the indirect effect with small-to-moderate sample sizes compared to Baron and Kenny's (1986) causal steps criteria or the Sobel tests (Preacher & Hayes, 2008). For all the models tested, age and previous experiences of pain were controlled.

## 3. Results

### 3.1. Preliminary analysis

Means, *t*-tests results and Pearson correlations are presented in Table 1.

Compared to men, women reported higher neuroticism ( $t(225) = 5.87, p < .05$ ), greater fear of severe pain ( $t(225) = 3.01, p < .05$ ), greater fear of minor pain ( $t(225) = 2.42, p < .05$ ), and greater fear of medical pain ( $t(225) = 2.77, p < .05$ ). In addition, women scored higher than men on all facets of neuroticism ( $ts > 2.75, p < .01$ ) except impulsiveness ( $t = .60, p >$

.05). There was a significant relationship between neuroticism and fear of severe pain ( $r = .25, p < .05$ ), fear of minor pain ( $r = .16, p < .05$ ), and fear of medical pain ( $r = .18, p < .05$ ).

(Insert Table I here).

### 3.2. Mediating role of neuroticism

The bootstrap results indicated that the total contribution of sex on fear of severe pain was significant ( $B = .74, SE = .28, p < .05$ , see Figure 1), and became statistically insignificant when neuroticism was included in the model ( $B = .43, SE = .29, p = .14$ ). The mediating effect was significant (point estimates for total indirect effect = .31; 95% CI = .11 - .57). In order to examine specifically the facets of neuroticism that were contributing most to the mediation model, we ran a mediation model with the six facets of neuroticism as mediators. The bootstrap results indicated that the total contribution of sex on fear of severe pain was significant ( $B = .74, SE = .28, p < .05$ ), and became statistically insignificant when the separate facets of neuroticism were included in the model ( $B = .22, SE = .29, p = .46$ ). However, only anxiety contributed significantly to the mediating model regarding the relationship between sex and fear of severe pain (see Table 2).

The bootstrap results also revealed that the total contribution of sex on fear of minor pain ( $B = .52, SE = .22, p < .05$ ) and medical pain ( $B = .86, SE = .32, p < .05$ ) were significant ( $B = .72, SE = .28, p < .05$ ), and became statistically insignificant when neuroticism was included in the models,  $B = .38, SE = .23, p = .10$ ,  $B = .61, SE = .34, p = .08$ , respectively. The fear of minor pain mediation analysis (point estimates for total indirect effect = .14, 95% CI = -.01 - .33) and fear of medical pain mediation analysis (point estimates for total indirect effect = .24; 95% CI = -.01, .54) were each marginally short of statistically confirming the fear of severe pain mediation model when using 95% confidence intervals. Given how close these mediation models were to being statistically significant with 95% confidence intervals, we re-ran the

bootstrap analysis with a 90% confidence interval, which confirmed neuroticism as a mediator of the relationship between sex and fear of minor pain (point estimates for total indirect effect = .14; 90% CI = .02 – .29) and fear of medical pain (point estimates for total indirect effect = .24; 90% CI = .05 – .49) (see Figure 2 and Figure 3). In order to examine specifically the facets of neuroticism that were contributing most to the mediation models, we re-ran mediation models with the six facets of neuroticism as mediators. No specific facet of neuroticism contributed significantly to the relationship between sex and fear of minor pain whereas anxiety contributed to the mediating model regarding the relationship between sex and fear of medical pain (see Table 3). There was also a specific direct effect of previous experience of minor pain on fear of minor pain ( $B = -2.07$ ,  $SE = .97$ ,  $p < .05$ ), and a specific direct effect of previous experience of medical pain on fear of medical pain ( $B = -1.70$ ,  $SE = .77$ ,  $p < .05$ ).

(Insert Figure 1, Figure 2, and Figure 3 here).

#### **4. Discussion**

Although existing models of pain behavior (e.g., Vlaeyen & Linton, 2000) emphasize the crucial role of fear of pain in the occurrence of chronic pain syndrome, they do not provide an account of why this emotional response is experienced more by women. Drawing upon an individual difference approach, the present study tested the hypothesis that neuroticism would mediate the sex-fear of pain relationship.

Our findings provided support for this mediation model; in other words, women experienced more fear of pain partly because they were more neurotic than men. Of particular interest, the more fine-grained additional analyses revealed that despite significant differences between the sexes on the different facets of neuroticism it was specifically the facet of anxiety that mediated the sex-fear of severe and medical pain relationship. This result is coherent, both

theoretically and empirically, especially given studies that have revealed strong links between fear of pain and anxiety (Keogh & Asmundson, 2004; Norton & Asmundson, 2003), and between sex and anxiety (Craske, 2003). The results also corroborate previous studies, in which it has been suggested that trait anxiety is a distal antecedent of fear of pain, which further predicts injury and sensitivity to illness; for example, catastrophic fearfulness of getting injured or becoming seriously ill (Reiss, 1991; Taylor, 1993; Vancleef et al., 2006). Nevertheless, although neuroticism contributed to the relationship between sex and fear of minor pain, this relationship was not explained uniquely by anxiety, which suggests that there might be differences between the mechanism that underlie different types of fear of pain. Furthermore, several studies have revealed that a greater percentage of chronic pain sufferers are women (Berkley, 1997; Racine et al., 2012; Riley, Robinson, Wise, Myers, & Fillingim, 1998). Nonetheless, to our knowledge no study has previously examined how the negative influence of neuroticism could be linked to such sex differences, and might thus explain women's propensity to experience maladaptive pain. The findings of the present study suggest that further studies would benefit from considerations of a more integrated model of (chronic) pain, which could offer a better understanding of the occurrence of pain syndromes that are predominantly experienced by women (e.g., fibromyalgia, Fietta, 2004).

By placing neuroticism at the root of the fear of pain process, these results offer some potential implications in pain management for medical care providers. According to the fear avoidance model (Vlaeyen & Linton, 2000), when acute pain is perceived as non-threatening, patients are likely to maintain engagement in daily activities, through which functional recovery is promoted (Leeuw et al., 2007, Vlaeyen & Linton, 2000). In contrast, a vicious circle may be initiated when the pain is catastrophically interpreted (i.e., when pain is magnified, experienced with helplessness and rumination; Sullivan, Bishop, & Pivik, 1995).

These dysfunctional interpretations give rise to pain-related fear and associated safety seeking behaviors, such as avoidance/escape and hypervigilance, which worsen the problem in the case of long-lasting pain. Given that neuroticism contributes to the fear of pain and mediates the relationship between sex and fear of pain, it would be interesting for health care practitioners to probe more specifically the question of anxiety in patients suffering (acute or chronic) pain. Such an approach, also advocated by Leeuw and al. (2007), could inform clinicians about their patients' susceptibility to developing and dealing with chronic pain. Consequently, practitioners could potentially add preventative elements to their treatment, such as educating patients about the fear of pain and pain itself (De Peuter, de Jong, Crombez, & Vlaeyen, 2009), which should help to prevent the fear of pain from developing further. Interestingly, the analyses also revealed that previous experiences with minor and medical pain contributed negatively to fear of pain; that is, the more people experience minor and medical pain, the less they seem to fear such pain. These results could be due to the pain from medical procedures usually being moderate. As such, the fear of minor or medical pain may be more the fear of any associated procedure rather than the fear of pain itself (Muñoz Sastre, Albaret, Maria Reich Escursell, & Mullet, 2006). Also, any experience of medical procedures as well as the experience of minor pain may make the individual rather more robust to the experience of pain. In other words, individuals who have had experience of medical pain and any associated medical intervention would likely develop an experience with pain that is rather more real than imagined; furthermore, they might build up coping strategies (e.g., specific self-efficacy or perceived control) to deal with these pain such that they experience less fear (Rokke, Fleming-Ficek, Siemens, & Hegstad, 2004; Tan, Jensen, Robinson-Whelen, Thornby, & Monga, 2002). Nonetheless, it is important to note that the men in our sample experienced more severe pain than did the women. In the questionnaire that was administered

to the participants, the five items relating to the fear of severe pain referred to pain invoked by injuries (e.g., breaking a leg, breaking an arm, receiving stitches, being burnt). Of interest, two studies have revealed sex differences in the epidemiology of non-fatal injuries in children, with boys experiencing more injuries than girls overall (Molcho et al., 2006; Scheidt et al., 1995). These results could explain why in the studied sample, men experienced more severe pain than women did. Although previous experiences with pain were not the topic of this study, the results confirm that life events are particularly worthy of attention in the understanding of the mechanism that underlies the fear of minor pain and medical pain (Albaret et al., 2004).

Even though we examined sex differences in fear of pain through a personality based approach, one could also consider these differences through a cultural based approach (Bernardes, Keogh, & Lima, 2008). That is, in contrast to sex, gender refers to the socially and culturally constructed meaning of being and acting like a man (e.g., tendency to focus on the self, orientation towards active performances, being independent, self-reliant) or a woman (e.g., selflessness, tendency to focus on others' needs, desire to establish emotionally significant connections with others) in occidental societies and may elucidate the interplay between sex, personality and fear of (minor) pain (Bem, 1977; Deaux & Kite, 1993). Indeed, gender interacts with biological factors such as sex hormones, genetics, immune responses (e.g., Kiecolt-Glaser, McGuire, Robles, & Glaser, 2002). Conversely, research has already indicated that inter-personal (spousal) interactions affect both immune functions and pain-behaviours in a sex-specific manner (e.g., Kiecolt-Glaser et al., 2002; Smith, Keefe, Caldwell, Romano, & Baucom, 2004). Although previous studies suggest that gender may explain sex differences in pain experience (Sanford, Kersh, Thorn, Rich, & Ward, 2002), no research attention has yet been given to the role of gender (as opposed to sex) in the fear of pain. The

interplay between gender, sex, personality, and fear of pain certainly deserves research attention.

The contribution of the study notwithstanding, there are some limitations that should be considered when interpreting the results and considering future research. First, the cross-sectional design precludes drawing causal inferences regarding the relationships, particularly with respect to the mediation analyses. However, although we cannot be certain of the direction of these relationships, there are reasons to believe that the causal chain runs from personality to fear of pain as hypothesized. Indeed, personality traits are recognized as major antecedents of cognition and emotion (e.g., Sorić et al., 2013). Second, the proportion of variance accounted for by each mediation model was 8% at most. Given the importance of neuroticism in the experience of pain, these results indicate that the understanding of the factors and processes that drive fear of pain are far from complete and have yet to be fully elucidated.

## **5. Conclusion**

This study is the first to investigate neuroticism as a determinant of sex differences in fear of pain. Results revealed that neuroticism – specifically anxiety –mediates the relationship between sex and fear of (severe, minor, and medical) pain. These findings provide a first step in understanding the mechanisms that underlie the fear of pain and any sex differences therein. The results also have applied implications for health care practitioners regarding the consideration of neuroticism in chronic pain diseases that are particularly experienced by women. Given the modest percentage of variance explained by the mediation models, there remains a need to investigate other variables that could also explain these pain related sex differences. The role of gender, as opposed to sex, would be worth exploring in this regard.

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Table 1. Means, standard deviations, sex difference *t*-tests, and correlations among the study variables (*n* = 229)

	<i>Mean (SD)</i>		<i>t</i>	1	2	3	4	5	6
	Men	Women							
1. Neuroticism	80.61 (18.31)	96.11 (20.63)	5.87*	-					
2. Fear of severe pain	6.01 (2.18)	6.82 (1.89)	3.01*	.25***	-				
3. Fear of minor pain	1.79 (1.45)	2.32 (1.73)	2.42*	.16*	.37***	-			
4. Fear of medical pain	3.03 (2.33)	3.93 (2.49)	2.77*	.18**	.33***	.41***	-		
5. Previous experiences with severe pain	1.07 (1.02)	.73 (.77)	2.91*	-.06	-.13	.06	-.03	-	
6. Previous experiences with minor pain	4.66 (.54)	4.61 (.56)	.64	-.06	.03	-.14*	-.12	.11	-
7. Previous experiences with medical pain	3.82 (1.13)	3.56 (1.07)	1.82	-.07	-.07	.02	-.14*	.09	.11

Note: \*  $p < .05$ , \*\*  $p < .01$ , \*\*\*  $p < .001$

Table 2. Direct effects of the studied variables on fear of severe pain.

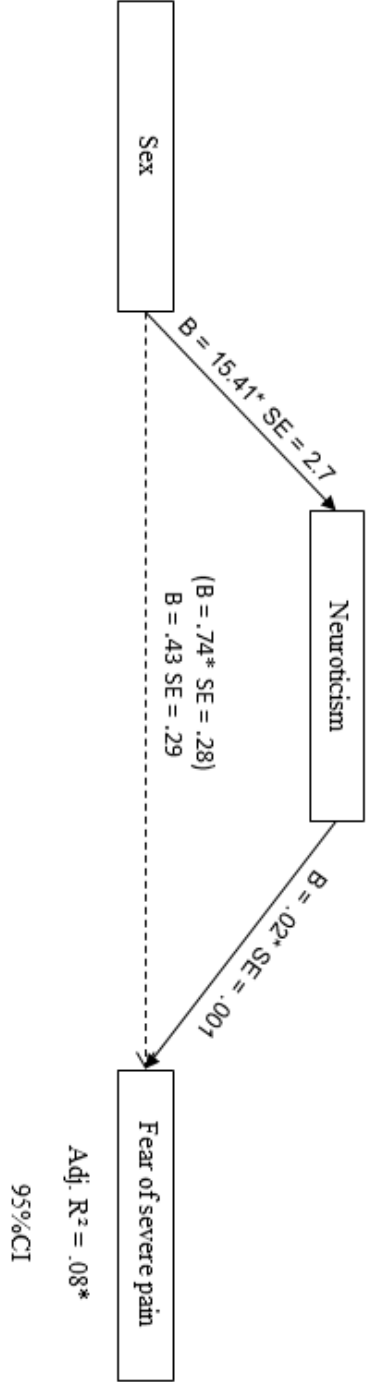
	Direct effect of sex to mediators		Direct effect of mediators on fear of severe pain		Confidence interval
	B	SE	B	SE	
Anxiety	4.37*	.74	.11*	.03	.21 - .89
Anger hostility	1.81*	.65	.02	.03	-.08 - .21
Depression	2.96*	.66	-.03	.04	-.38 - .11
Self-consciousness	2.05*	.60	-.01	.04	-.15 - .15
Impulsiveness	.46	.60	-.04	.03	-.14 - .02
Vulnerability	3.77*	.61	.03	.04	-.13 - .46

Table 3 Direct effects of the studied variables on fear of medical pain.

	Direct effect of sex to mediators		Direct effect of mediators on fear of severe pain		Confidence interval
	B	SE	B	SE	
Anxiety	4.39*	.73	.08*	.04	.08 - .67
Anger hostility	1.77*	.64	.03	.04	-.05 - .23
Depression	2.75*	.65	-.02	.05	-.29 - .17
Self-consciousness	2.15*	.60	-.05	.04	-.30 - .02
Impulsiveness	.37	.60	.03	.04	-.02 - .11
Vulnerability	3.85*	.61	.01	.05	-.31 - .34

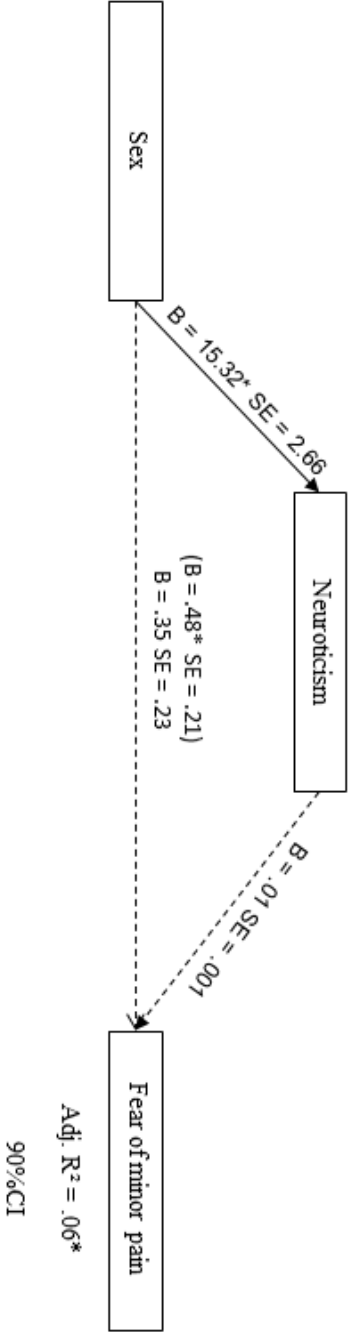


Figure 1. The significant mediating role of neuroticism on the relationship between sex and fear of severe pain (IC95%).



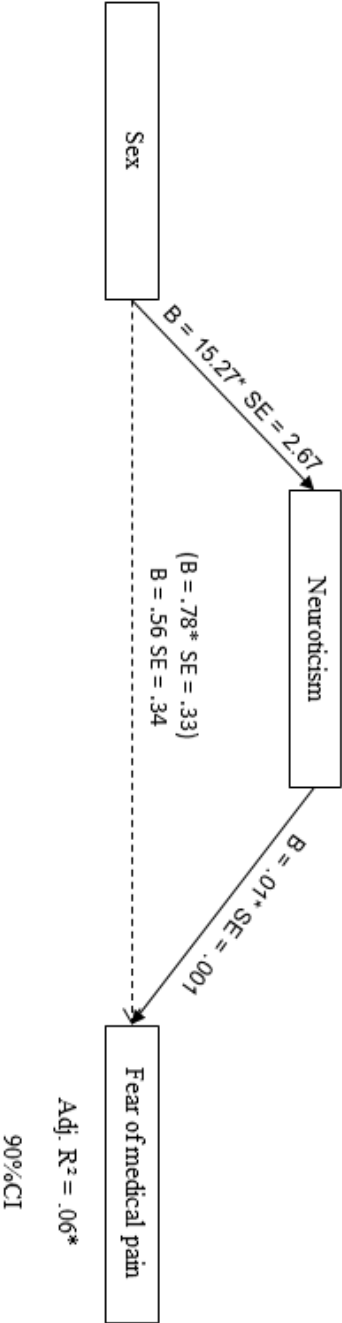
Note: \*  $p < .05$

Figure 2. The significant mediating role of neuroticism on the relationship between sex and fear of minor pain (IC90%).



Note: \*  $p < .05$

Figure 3. The significant mediating role of neuroticism on the relationship between sex and fear of medical pain (IC90%).



Note: \*  $p < .05$

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